

REMARKS

Claims 1-25 are presented for consideration. Claims 1, 9, 13 and 19-22 are the independent claims.

Independent Claims 1, 9, 13, 19, 20 and 21 have been amended to further distinguish Applicant's invention from the cited art. In addition, Claims 22-25 have been added to provide an additional scope of protection.

Claims 9-18, 20 and 21 stand rejected under 35 U.S.C. §102(e) as allegedly being anticipated by Kesatoshi '937. In addition, Claims 1-8 and 19 stand rejected under 35 U.S.C. §103 as allegedly being obvious over Kesatoshi. These rejections are respectfully traversed.

Claim 1 of Applicant's invention relates to a display control apparatus comprising an input unit, arranged to input an image signal, a judgement unit, arranged to judge a resolution of the image signal, and a detection unit, arranged to detect movement between pictures of the image signal. An interpolation unit is arranged to adaptively interpolate the image signal in accordance with the judgement results and the detection results. In addition, a control unit is arranged to switch between a first stage of driving a display device so as to input a driving signal through one line by one line among total lines of the display device and a second state of driving the display device so as to input the driving signal through partial and plural lines by partial and plural lines among the total lines of the display device in accordance with the detection results of the detection unit.

Claim 9 relates to a display control apparatus that includes an input unit, a judgement unit and an interpolation unit as set forth in Claim 1, and a selection unit arranged to select one of a first image signal interpolation mode and a second image interpolation mode whose interpolation method is different from that of the first image signal interpolation mode. In

Claim 9, a control unit is arranged to switch between a first state of driving a display device so as to input a driving signal through one line by one line among total lines of the display device, and a second state of driving the display device so as to input the driving signal through partial and plural lines by partial and plural lines among the total lines of the display device in accordance with the selection results of the selection unit.

Claim 13 relates to a display control apparatus that includes an input unit, a judgement unit, and an interpolation unit. In addition, a control unit switches between a first state of driving a display device so as to input a driving signal through one line by one line among total lines of the display device, and a second state of driving the display device so as to input the driving signal through partial and plural lines by partial and plural lines among the total lines of the display device in accordance with the kind of image signal input.

As will be appreciated, Claim 1 has been amended to include a control unit for switching between a first state of driving a display device and a second state of driving the display device in accordance with the detection results of the detection unit. In the first state the driving signal is input through one line by one line among total lines of the display device, and in the second state the display device is driven so as to input the driving signal through partial and plural lines by partial and plural lines among the total lines of the display device. Support for the amendments to Claim 1 can be found, for example, on page 17, line 7, et seq. of the specification and in Figures 8A and 8B. Claims 9 and 11 have been amended along the same lines as Claim 1 to include a control unit for switching between a first and second state of driving the display device.

Claims 19, 20 and 21 relate to a display control method and correspond to Claims 1, 9 and 13, respectively. These claims have thus been amended to include the step of

controlling switching between a first state of driving the display device and a second state of driving the display device.

In accordance with Applicant's claimed invention, a display control apparatus and method are able to achieve superior display images.

As discussed in the Preliminary Amendment of April 15, 2004, Kesatoshi relates to a video image scaler in which an image signal is converted to a predetermined resolution corresponding to the display apparatus. A memory table is used to reduce or enlarge an image input signal to convert the resolution into that of the display device.

In contrast to Applicant's claimed invention, however, Kesatoshi is not understood to teach or suggest, among other features, switching between a first state of driving a display device so as to input a driving signal through one line by one line among total lines of the display device and a second state of driving the display device so as to input the driving signal through partial and plural lines by partial and plural lines among the total lines of the display device as set forth in Applicant's independent claims. Kesatoshi also fails to teach or suggest, it follows, switching between such first and second driving states in accordance with detection results (Claims 1 and 13), selection results between a first image signal interpolation mode and a second image signal interpolation mode (Claims 9 and 20) or in accordance with the kind of image signal input (Claims 13 and 21). In Kesatoshi, a video scaler 36 is capable of outputting video images with a desired resolution specified by the user (column 9, lines 17-20). Kesatoshi is not read to teach or suggest, however, switching between the first and second states of driving a display device as set forth in Applicant's claimed invention.

Accordingly, it is submitted that Kesatoshi fails to teach or suggest Applicant's claimed invention, and therefore reconsideration and withdrawal of the rejections of the claims under 35 U.S.C. §102 and §103 are respectfully requested.

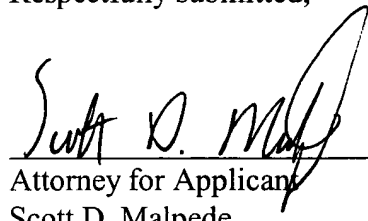
Therefore, it is submitted that Applicant's invention as set forth in independent Claims 1, 9, 13, 19, 20 and 21 is patentable over the cited art. In addition, dependent Claims 2-8, 10-12 and 14-18 set forth additional features of Applicant's invention. Independent consideration of the dependent claims is respectfully requested.

Independent Claim 22 is also submitted to be patentable over Kesatoshi. In Claim 22, a display control apparatus includes an input unit, a detection unit, and a control unit as set forth in Claim 1. Claim 22, therefore, includes a control unit arranged to switch between first and second states of driving a display device.

In view of the foregoing, reconsideration and allowance of this application is deemed to be in order and such action is respectfully requested.

Applicant's undersigned attorney may be reached in our Washington, D.C. office by telephone at (202) 530-1010. All correspondence should continue to be directed to our below-listed address.

Respectfully submitted,



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